

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/15/2018 - 5/15/2018			
DWR Inspector	Zach Jojola			
Accompanied By	Rosie Silva RD2095			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2095_01_s_2013_14				
Comment Code					
Inspector Comment					
The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	17
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2095_01_s_2013_17				
Comment Code					
Inspector Comment					
The LMA has a current flood fight training and a flood fighting plan.					

No Photos

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2095_01_s_2013_19				
Comment Code					
Inspector Comment					
Flood fighting supplies available on-site at the warehouse.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.15	Rating **	A/W	Issue No.	10
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.769997 °	37.769997 °
				-121.325055 °	-121.325055 °
DWR ID	DWR_RD2095_01_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
LMA is actively controlling access. The slope appears to be stable and should be monitored for possible erosion.					

Photo 1 of 1 : SP_2018_RD2095_322_10_20180507_00001.jpg



View of the vehicle tracks on the waterside levee slope.

LM Start	0.71	Rating **	M	Issue No.	11
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.763630 °	37.763630 °
				-121.319045 °	-121.319045 °
DWR ID	DWR_RD2095_01_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					
Pump house near RR.					

Photo 1 of 1 : SP_2018_RD2095_322_11_20180507_00002.jpg



View of building at the landside levee toe.

LM Start	0.78	Rating **	A	Issue No.	5
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.762857 °	37.759172 °
				-121.318371 °	-121.308117 °
DWR ID	DWR_RD2095_01_s_2018_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA is doing an excellent job maintaining their vegetation.					

Photo 1 of 1 : SP_2018_RD2095_322_5_20180516_00015.jpg



View of well-maintained landside slope. Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	20
LM End	0.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761582 °	37.761582 °
				-121.317881 °	-121.317881 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19812 DS_ID:21637 EP_NO: 13926 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No electrical connection can be identified. Possibly awaiting a flood event for re-activation. FIELD_STRUCT_DESC: 40-inch steel drainage discharge pipe through the levee, 1 foot below the crown. 6 pumps mounted on a wooden pier at the landside (LS) toe All the pumps discharge into a 40-inch pipe. Permit was for a 24-inch steel discharge pipe through the levee, 2 feet below the crown with a flap gate on the waterside (WS), but permit notes show it was modified in 2001 to its current status. (Permit No. 13926 - State of California, Department of Corrections [date not indicated in permit database]). FS Date: 9/10/2013					

LM Start	0.87	Rating **	M	Issue No.	20 (cont)
LM End	0.87	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_19812_33711.jpg



Pumps on pier at LS toe. Note electrical conduit without connection on right side of pier.

Photo 2 of 3 : UCIP_SP_2018_19812_33710.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	20 (cont)	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761582 °	37.761582 °	
				-121.317881 °	-121.317881 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19812 DS_ID:21637 EP_NO: 13926 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No electrical connection can be identified. Possibly awaiting a flood event for re-activation. FIELD_STRUCT_DESC: 40-inch steel drainage discharge pipe through the levee, 1 foot below the crown. 6 pumps mounted on a wooden pier at the landside (LS) toe All the pumps discharge into a 40-inch pipe. Permit was for a 24-inch steel discharge pipe through the levee, 2 feet below the crown with a flap gate on the waterside (WS), but permit notes show it was modified in 2001 to its current status. (Permit No. 13926 - State of California, Department of Corrections [date not indicated in permit database]). FS Date: 9/10/2013						

Photo 3 of 3 : UCIP_SP_2018_19812_33709.jpg



Pipe on WS shoulder.

LM Start	0.87	Rating **	M	Issue No.	21
LM End	0.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761554 °	37.761554 °
				-121.317847 °	-121.317847 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:34387					
DS_ID:21629					
EP_NO: 6259					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: What appears to be the concrete headwall on the LS toe is tilting and failing. There is a possibility that the concrete is rubble used to fill in around levee toe. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate in riser on the waterside (WS) slope. Concrete headwalls and aprons on both ends. Flap gate on the WS end. Two corrugated metal cutoff walls. (Permit No. 6259, 1968 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_SP_2018_34387_62273.jpg



Pipe inlet located below 40-inch pipe at LS toe canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.87	Rating **	M	Issue No.	21 (cont)	
LM End	0.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761554 °	37.761554 °	
				-121.317847 °	-121.317847 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34387 DS_ID:21629 EP_NO: 6259 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: What appears to be the concrete headwall on the LS toe is tilting and failing. There is a possibility that the concrete is rubble used to fill in around levee toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate in riser on the waterside (WS) slope. Concrete headwalls and aprons on both ends. Flap gate on the WS end. Two corrugated metal cutoff walls. (Permit No. 6259, 1968 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 9/10/2013						

LM Start	0.87	Rating **	M	Issue No.	21 (cont)
LM End	0.87	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_34387_62272.jpg



Concrete headwall on LS toe is tilting heavily towards canal.

Photo 3 of 3 : UCIP_SP_2018_34387_62271.jpg



Slide gate in 48-inch CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	22
LM End	0.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.761079 °	37.761079 °
				-121.317567 °	-121.317567 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19815 DS_ID:21630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through the levee, 1.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in steel standpipe on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.92)]. FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_SP_2018_19815_33719.jpg



Hole on LS shoulder where standpipe may have been located.

LM Start	0.91	Rating **	M	Issue No.	22 (cont)
LM End	0.91	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_19815_33718.jpg



Standpipe discarded on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	22 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761079 °	37.761079 °	
				-121.317567 °	-121.317567 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19815 DS_ID:21630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through the levee, 1.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in steel standpipe on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 10, March 1964, (HLM 0.92)]. FS Date: 9/10/2013						

Photo 3 of 3 : UCIP_SP_2018_19815_33717.jpg



Possible location of 12-inch pipe connection to pump on LS toe.

LM Start	0.91	Rating **	M	Issue No.	23	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.761046 °		37.761046 °
				-121.317540 °		-121.317540 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19813						
DS_ID:21631						
EP_NO: 6537						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Corroded holes on pipe at outlet WS toe, good indication of internal pipe condition. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 14-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate on the WS end. (Permit No. 6537, 1969 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 9/10/2013						

Photo 1 of 3 : UCIP_SP_2018_19813_33715.jpg



Siphon Breaker/vent in 24-inch steel riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.91	Rating **	M	Issue No.	23 (cont)	
LM End	0.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.761046°	37.761046°	
				-121.317540°	-121.317540°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19813 DS_ID:21631 EP_NO: 6537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corroded holes on pipe at outlet WS toe, good indication of internal pipe condition. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. Pump on pile structure in drainage ditch on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate on the WS end. (Permit No. 6537, 1969 - Everett Farms). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 9/10/2013						

LM Start	0.91	Rating **	M	Issue No.	23 (cont)
LM End	0.91	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_19813_33714.jpg



Pump on wooden pier at LS toe.

Photo 3 of 3 : UCIP_SP_2018_19813_33713.jpg



Butterfly valve at pump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/15/2018 - 5/15/2018			
DWR Inspector	Zach Jojola			
Accompanied By	Rosie Silva RD2095			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.03	Rating **	C	Issue No.	9
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.758986 °	37.758986 °
				-121.307854 °	-121.307854 °
DWR ID	DWR_RD2095_02_s_2013_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.36	Rating **	M	Issue No.	5
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.754952 °	37.749645 °
				-121.305880 °	-121.301977 °
DWR ID	DWR_RD2095_02_f_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2095_323_5_20180507_00006.jpg



View of a ditch along the landside toe.

LM Start	0.60	Rating **	M	Issue No.	6
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.751668 °	37.751668 °
				-121.304302 °	-121.304302 °
DWR ID	DWR_RD2095_02_s_2012_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Small shrub at the edge of the ditch.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	0.97	Rating **	A/W	Issue No.	941
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749706 °	37.749706 °
				-121.299237 °	-121.299237 °
DWR ID	DWR_RD2095_02_s _ 2012_941				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense bush within 20' of crown on waterside slope.					

No Photos

LM Start	0.98	Rating **	A/W	Issue No.	940
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.749629 °	37.749629 °
				-121.299040 °	-121.299040 °
DWR ID	DWR_RD2095_02_s _ 2012_940				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.09	Rating **	N	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.748184 °	37.748184 °
				-121.298995 °	-121.298995 °
DWR ID	DWR_RD2095_02_s _ 2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
4 stumps					

Photo 1 of 1 : SP_2018_RD2095_323_3_20180507_00005.jpg



View of the tree stumps on the landside levee slope..

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	1.30	Rating **	C	Issue No.	8
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.745343 °	37.745343 °
				-121.297620 °	-121.297620 °
DWR ID	DWR_RD2095_02_f_2012_8				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Two tree stumps.					

No Photos

LM Start	1.31	Rating **	C	Issue No.	17
LM End	1.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.745314 °	37.745314 °
				-121.297666 °	-121.297666 °
DWR ID	DWR_RD2095_02_f_2015_17				
Comment Code					
FE : Fence					
Inspector Comment					
Gate removed. Spring 2018					

No Photos

LM Start	1.35	Rating **	C	Issue No.	195
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.744746 °	37.744746 °
				-121.297695 °	-121.297695 °
DWR ID	DWR_RD2095_02_s_2014_195				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion site repaired February 2017.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

Reclamation District No. 2095 Paradise Cut

Pump visible on LS toe, but pipe has been re-routed to southwest.

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	943
LM End	1.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.741345 °	37.741345 °
				-121.296189 °	-121.296189 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19866 DS_ID:21654 EP_NO: 6298A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee 2-feet below the crown. Siphon breaker in PVC riser on WS shoulder. Pump on pier in ditch on LS toe 750-feet to Northwest from crossing. FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_SP_2018_19866_33767.jpg



Pump located at levee toe 750-feet north west of pipe crossing.

LM Start	1.63	Rating **	M	Issue No.	943 (cont)
LM End	1.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_19866_33766.jpg



16-inch steel pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	1.63	Rating **	M	Issue No.	943 (cont)	
LM End	1.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.741345°		37.741345°
				-121.296189°		-121.296189°
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19866						
DS_ID:21654						
EP_NO: 6298A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee						
2-feet below the crown. Siphon breaker in PVC riser on WS shoulder.						
Pump on pier in ditch on LS toe 750-feet to Northwest from crossing.						
FS Date: 9/10/2013						

Photo 3 of 3 : UCIP_SP_2018_19866_33765.jpg



Pump located at levee toe 750-feet north west of pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2095 Paradise Cut

Close view of the erosion.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	1.75	Rating **	A/W	Issue No.	15
LM End	1.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.740196 °	37.738880 °
				-121.297662 °	-121.298260 °
DWR ID	DWR_RD2095_02_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Active waterside erosion on san joaquin river near the end of Wright Road in Tracy, CA. Total length of erosion extends 615. Erosion has extended 15 feet towards levee toe this flood season. Pleasee see attached map and photots. As the high water level receds from the winter storm, we can see more damage to this stie. Erosion is active.					
Site ID No:469					
Site Designation:LMA-296					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/26/2017					
Notes: This is an active erosion site. Zero vegetation within the eroded portion. It may not be quite in the prism now, but lost about 20 ft (horizontally) of bank last year. Saw eddies in the water here also.					

Photo 1 of 3 : LEVAL_SP_2018_469_2348.jpg



Photo 2 of 3 : LEVAL_SP_2018_469_2349.jpg



LM Start	1.75	Rating **	A/W	Issue No.	15 (cont)
LM End	1.84	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	1.75	Rating **	A/W	Issue No.	15 (cont)	
LM End	1.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.740196 °	37.738880 °	
				-121.297662 °	-121.298260 °	
DWR ID	DWR_RD2095_02_f_2017_15					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Active waterside erosion on san joaquin river near the end of Wright Road in Tracy, CA. Total length of erosion extends 615. Erosion has extended 15 feet towards levee toe this flood season. Pleasee see attached map and photots. As the high water level receds from the winter storm, we can see more damage to this stie. Erosion is active.						
Site ID No:469						
Site Designation:LMA-296						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/26/2017						
Notes: This is an active erosion site. Zero vegetation within the eroded portion. It may not be quite in the prism now, but lost about 20 ft (horizontally) of bank last year. Saw eddies in the water here also.						

Photo 3 of 3 : LEVAL_SP_2018_469_2353.jpg



LM Start	2.08	Rating **	M	Issue No.	944
LM End	2.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.735416 °	37.735416 °
				-121.297860 °	-121.297860 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19867 DS_ID:21643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker on LS shoulder does not appear to be functional. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Slant pump on steel platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder marked by a T-post. Service pole and meter on the LS toe. Possible concrete standpipe on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.12)]. FS Date: 9/10/2013					

Photo 1 of 3 : UCIP_SP_2018_19867_33771.jpg



Siphon breaker on LS shoulder next to T-post with Power pole and concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	2.08	Rating **	M	Issue No.	944 (cont)	
LM End	2.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.735416 °	37.735416 °	
				-121.297860 °	-121.297860 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19867						
DS_ID:21643						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Siphon breaker on LS shoulder does not appear to be functional.						
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Slant pump on steel platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder marked by a T-post. Service pole and meter on the LS toe. Possible concrete standpipe on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.12)].						
FS Date: 9/10/2013						

LM Start	2.08	Rating **	M	Issue No.	944 (cont)
LM End	2.08	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_19867_33770.jpg



Siphon breaker on LS shoulder next to T-post.

Photo 3 of 3 : UCIP_SP_2018_19867_33769.jpg



Concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	2.09	Rating **	C	Issue No.	19
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.735276 °	37.735276 °
				-121.297777 °	-121.297777 °
DWR ID	DWR_RD2095_02_f_2016_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Area needs to be monitored for possible further erosion.					

No Photos

LM Start	2.12	Rating **	A/W	Issue No.	20
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.734858 °	37.734858 °
				-121.297758 °	-121.297758 °
DWR ID	DWR_RD2095_02_s_2012_20				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.41	05/15/2018 05/15/2018	Zach Jojola

LM Start	2.38	Rating **	A/W	Issue No.	945
LM End	2.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.731313 °	37.731313 °
				-121.298298 °	-121.298298 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19871 DS_ID:21644 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 3 feet below the crown. Pump in drainage ditch on the landside (LS). Vent pipe at the waterside (WS) toe. 1.5-inch galvanized iron electrical conduit through the levee at the same location. Service pole with a switch box and meter on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 2.41)]. FS Date: 9/10/2013					

Photo 1 of 2 : UCIP_SP_2018_19871_33778.jpg



Pump on metal pier off LS toe.

LM Start	2.38	Rating **	A/W	Issue No.	945 (cont)
LM End	2.38	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2018_19871_33777.jpg



Vent standpipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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